

I claim as my invention:

Sub B1
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1. A heat transfer surface having a thermal conductivity substantially greater than silver.

2. The heat transfer surface of claim 1 comprising sodium chromate, silver dichromate, and monocrystalline silicon.

3. The heat transfer surface of claim 2 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.

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4. The heat transfer surface of claim 3 wherein said monocrystalline silicon is powder during said magnetic resonating step.

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5. The heat transfer surface of claim 1 wherein said monocrystalline silicon has a purity greater than 99.999%

Sub A1

Sub B1

6. A heat transfer surface having a thermal conductivity which substantially increases above an activation temperature.

7. The heat transfer surface of claim 6 comprising sodium chromate, silver dichromate, and monocrystalline silicon.

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8. The heat transfer surface of claim 7 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.

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9. The heat transfer surface of claim 8 wherein said monocrystalline silicon is powder during said magnetic resonating step.

Sub A2

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10. The heat transfer surface of claim 6 wherein said monocrystalline silicon has a purity greater than 99.999%